

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 July 2005 (21.07.2005)

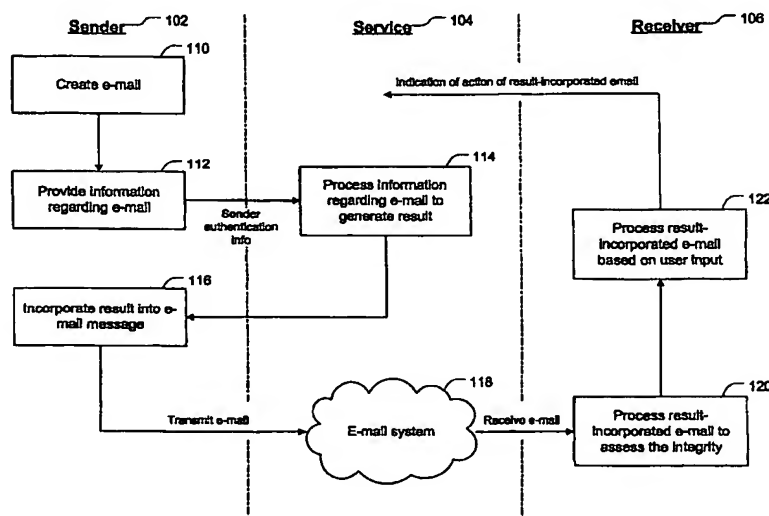
PCT

(10) International Publication Number
WO 2005/065358 A2

- (51) International Patent Classification: Not classified
- (21) International Application Number:
PCT/US2004/043874
- (22) International Filing Date:
28 December 2004 (28.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10/749,911 30 December 2003 (30.12.2003) US
- (71) Applicant (for all designated States except US): **FIRST INFORMATION SYSTEMS, LLC** [US/US]; 2200 Mar East, Tiburon, CA 94920-1924 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **AVRITCH, Peter, S.** [US/US]; 6104 Bryndale Avenue, Oak Park, CA 91377 (US). **CLAY, Bruce, M.** [US/US]; 4642 Nannyberry Court, Moorpark, CA 93021 (US). **DU MOLIN, James, R.** [US/US]; 2200 Mar East, Tiburon, CA 94920 (US).
- (74) Agent: **HODES, Alan, S.**; Beyer Weaver & Thomas, LLP, P.O. Box 70250, Oakland, CA 94612-0250 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: E-MAIL CERTIFICATION SERVICE



(57) Abstract: A method is provided to handle an electronic mail message such that the receiver of the e-mail message can verify the integrity of the message. A request is provided from a sender's side to a service. The request includes information regarding the e-mail message. The service processes at least a portion of the request to generate a result. For example, the service may encrypt the portion of the request, according to a public/private key encryption scheme, to generate a digital signature as the result. The service provides the result to the sender's side. At the sender's side, the result is incorporated into the e-mail message and the result-incorporated message is transmitted via an e-mail system. At the receiver's side, the result-incorporated e-mail message is processed to assess the integrity of the received e-mail message.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.